Claims

What is claimed is:

1. A method of obtaining data content related to user selected data content within a portable document file, the method comprising:

a) receiving a first portable document file, the first portable document file comprising display class data content selectable by the user and related hidden class data content;

b) detecting user selection of display class data content within the first portable document file;

c) building a message in response to user selection of data content within the first portable document file, the message comprising both:

identification of the first portable document file; and

hidden class data content related to user selected display class data content;

d) sending the message to a message server; and

e) receiving a second portable document file from the message server in response to sending the message.

2. The method of claim 1, wherein the step of building a message in response to user selection of data content within the first portable document file comprises:

locating a data value corresponding to a document ID tag within hidden class data content of the first portable document file;

associating, and including in the message, the data value with the document ID tag in the message; and

locating, and including in the message, a data value and ID tag associated within hidden class data content that links to the selected data content.

3. The method of claim 1, wherein the message further comprises identification of

the user of the client system.

4. The method of claim 3, wherein the step of building a message in response to user selection of data content within the first portable document file comprises:

obtaining a user ID from an operating system of the client system; and

associating the user ID with a user ID data tag in the message.

5. The method of claim 4, wherein the step of building a message in response to user selection of data content within the first portable document file comprises:

locating a data value corresponding to a document ID tag within hidden class data content of the first portable document file;

associating, and including in the message, the data value with the document ID tag in the message; and

locating, and including in the message, a data value and ID tag associated within hidden class data content that links to the selected data content.

6. The method of claim 1, further comprising receiving a message server address as a message server address update message that is a file distinct from the first portable document file, the message server address being an address to which the message is sent.

7. The method of claim 6, wherein the step of building a message in response to user selection of data content within the first portable document file comprises:

locating a data value corresponding to a document ID tag within hidden class data content of the first portable document file;

associating, and including in the message, the data value with the document ID tag in the message; and

locating, and including in the message, a data value and ID tag associated within hidden class data content that links to the selected data content.

8. The method of claim 6, wherein the message further comprises identification of the user of the client system.

9. The method of claim 8, wherein the step of building a message in response to user selection of data content within the first portable document file comprises:

obtaining a user ID from an operating system of the client system; and

associating the user ID with a user ID data tag in the message.

10. The method of claim 9, wherein the step of building a message in response to user selection of data content within the first portable document file comprises:

locating a data value corresponding to a document ID tag within hidden class data content of the first portable document file;

associating, and including in the message, the data value with the document ID tag in the message; and

locating, and including in the message, a data value and ID tag associated within hidden class data content that links to the selected data content.

11. A client system for obtaining data content related to user selected data content within a portable document file, the client system comprising:

a) browser system for receiving an HTTP package containing a first portable document file, the first portable document file comprising display class data content selectable by the user and related hidden class data content;

b) a display module for displaying the display class data content on a display screen associated with the client system;

c) a message module for:

building a message in response to user selection of data content within the first portable document file, the message comprising both:

identification of the first portable document file; and

hidden class data content related to user selected display class data content;

sending the message to a message server; and

receiving a second HTTP package containing a second portable document file from the message server in response to sending the message.

12. The client system of claim 11, wherein the message module further provides for:

locating a data value corresponding to a document ID tag within hidden class data content of the first portable document file;

associating the data value with the document ID tag and including the data value and the associated document ID tag in the message; and

locating, and including in the message, a data value and ID tag associated within hidden class data content that links to the selected data content.

13 The client system of claim 11, wherein the message further comprises identification of the user of the client system.

14. The client system of claim 13, wherein message module further provides for:

obtaining a user ID from an operating system of the client system; and

associating the user ID with a user ID data tag in the message.

15. The client system of claim 14, wherein the message module further provides for:

locating a data value corresponding to a document ID tag within hidden class data content of the first portable document file;

associating the data value with the document ID tag and including the data value and the associated document ID tag in the message; and

locating, and including in the message, a data value and ID tag associated within hidden class data content that links to the selected data content.

16. The client system of claim 11, wherein the message module further receives a message server address as a message server address update message that is a file distinct from the first portable document file, the message server address being an address to which the message is sent.

17. The client system of claim 16, wherein the message module further provides for:

locating a data value corresponding to a document ID tag within hidden class data content of the first portable document file;

associating the data value with the document ID tag and including the data value and the associated document ID tag in the message; and

locating, and including in the message, a data value and ID tag associated within hidden class data content that links to the selected data content.

18 The client system of claim 16, wherein the message further comprises identification of the user of the client system.

19. The client system of claim 18, wherein message module further provides for:

obtaining a user ID from an operating system of the client system; and

associating the user ID with a user ID data tag in the message.

20. The client system of claim 19, wherein the message module further provides for:

locating a data value corresponding to a document ID tag within hidden class data content of the first portable document file;

associating the data value with the document ID tag and including the data value and the associated document ID tag in the message; and

locating, and including in the message, a data value and ID tag associated within hidden class data content that links to the selected data content.